ABSTRACT

A method to detect edges based on chrominance information alone or in combination with gray level values includes comparing chrominance values to a registration parameter based on chromacity measurements of a backing. To calibrate a system, a small scan obtains sample image data for the backing in the document feeder. Using the sampled image data, average chrominance values for the backing are determined. Based on the averages, a channel having a low chrominance contribution is selected as the registration channel. A registration parameter is calculated for automatic registration of documents based on the average chrominance and chrominance deviation for the registration channel.